

Application No. 10/021,629
Response Dated 07/25/2005
Reply to Office Action of 03/25/2005

PATENT
Agent's Docket No. 12560-US

Amendments to the Drawings:

The attached sheets of drawings include changes to Fig. 2 and Fig. 6, and replace corresponding original sheets including Fig. 2 and Fig. 6, respectively. In Fig. 2 and Fig. 6, previously omitted element 330 has been added.

Attachments: Fig. 2 Replacement Sheet
Fig. 2 Annotated Sheet Showing Changes
Fig. 6 Replacement Sheet
Fig. 6 Annotated Sheet Showing Changes

Application No. 10/021,629
Response Dated 07/25/2005
Reply to Office Action of 03/25/2005

PATENT
Agent's Docket No. 12560-US

Remarks and Arguments:

In response to the Examiner's objection to the drawings for failure to comply with 37 CFR 1.84(p)(5) because the drawings include reference characters not mentioned in the description, the specification has been amended at paragraphs [0050] and [0059] to add the reference characters in the description in compliance with 37 CFR 1.121(b).

Regarding the Examiner's objection to claims 1 and 11 under 37 CFR 1.75, it is respectfully submitted that amended claims 1 and 11 are distinct as amended claim 1, and claims dependent from claim 1, now relate to a network management and service provisioning framework while amended claim 11 relates to a network management apparatus.

Claims 18 and 25 have been cancelled.

Independent amended claims 1 and 12 of the present application are directed, respectively, to a framework enabling, and a method of performing, network management and service provisioning in network management and service provisioning context. The framework comprises an implementation of a run-time derivable single managed entity object class, the managed entity object class implementing an invoke function for invoking operations by name at run-time. The framework further comprises a dictionary of operations, the entries of which are populated at run-time as managed data network object types are derived based on corresponding managed data network object type specifications. The method comprises steps of registering with a dictionary of operations an operation name specified in a managed data network entity type specification, and invoking an operation by name on an instance of a corresponding derived managed data network object type.

It is the Examiner's position that the Haggerty reference teaches the dictionary of operations, the Examiner pointing to the Name Service mentioned on page 75 column 1 paragraph 2 in the Haggerty reference. The Examiner is respectfully directed to the detailed description of the Name Service presented by Haggerty on page 75 in the last paragraph of column 1. Haggerty clearly states that "[t]he naming service [...] is used as a top-level

Application No. 10/021,629
Response Dated 07/25/2005
Reply to Office Action of 03/25/2005

PATENT
Agent's Docket No. 12560-US

object lookup mechanism..." which is different from a dictionary of operations used for resolving operation names.

Haggerty also fails to teach a managed entity object class implementing an invoke function which invokes operations by name.

Without prejudice, Haggerty does not teach a network management and service provisioning framework comprising a dictionary of operations for storing operation names of operations implemented by run-time derived managed data network object types, and does not teach a framework comprising a single managed entity object class implementing an invoke function for invoking operations by name. Neither does Haggerty teach a method of network management and service provisioning comprising steps of run-time registering, with a dictionary of operations, operation names specified in run-time loaded managed data network entity specifications, and does not teach invoking operations by name on managed data network object type instances.

Haggerty therefore fails to teach each and every element of the framework of amended claim 1, and fails to teach each and every step of the method of amended claim 12. Claims 2 to 11, 13 to 17, 19 to 24, 26 and 27 are variously dependent on claims 1 and 12, and include all limitations thereof. For these reasons, the Applicant respectfully submits that claims 1 to 17, 19 to 24, 26 and 27 of the present application, as amended, are not anticipated by Haggerty.

Without prejudice, the Applicant further respectfully submits that, in view of the above, the combination of Haggerty and Acker cannot teach every element of amended claims 1. For these reasons, the Applicant respectfully submits that claims 3 and 4 of the present application, as amended, are not obvious based on the teachings of Haggerty in view of Acker.

Paragraphs [0043], [0044], and [0054] have been amended to add reference character "330" to "dictionary" instances. Support for the amendments is found in paragraphs [0044], [0057] and Fig. 3.

Application No. 10/021,629
Response Dated 07/25/2005
Reply to Office Action of 03/25/2005

PATENT

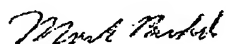
Agent's Docket No. 12560-US

In amended Fig. 2 and Fig. 6, the previously omitted element 330 has been added. Support for the amendment is found in Fig. 3 and in the specification at paragraphs [0043], [0044], [0054], and [0057].

It is submitted that no additional subject matter has been introduced by the amendment.

Reconsideration and allowance are respectfully requested.

Respectfully submitted,



Stuart Mark Budd
Registration No. 53,880
Agent of Record

MARKS & CLERK
P. O. Box 957, Station B,
Ottawa, Ontario, Canada
K1P 5S7
(613) 236-9561

Attachments